

# UTILITY PATENT APPLICATION TRANSMITTAL

## (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
24317/81902

Total Pages in this Submission  
69

To The Commissioner For Patents  
Mail Stop Patent Application, P.O. Box 1450  
Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**CHARGE PUMPING SYSTEM AND METHOD**

and invented by:

James S. Zeng; Lajos Burgyan; and Rendon A. Holloway

031088 U.S. PTO  
10/678678  
100303

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 10/196,790

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Enclosed are:

### Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 17 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☐ Cross References to Related Applications (if applicable)
  - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
  - d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings (if filed)
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure

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**Application Elements (Continued)**

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
- a. ☒ Formal                      Number of Sheets                      eleven (11)
- b. ☒ Informal                      Number of Sheets                      twelve (12)
4. ☒ Oath or Declaration
- a. ☐ Newly executed *(original or copy)*                      ☐ Unexecuted
- b. ☒ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
- c. ☐ With Power of Attorney                      ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☒ Incorporation By Reference *(usable if Box 4b is checked)*  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. ☐ Application Data Sheet (See 37 CFR 1.76)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
- a. ☐ Computer Readable Form (CRF)
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statement(s) Verifying Identical Paper and Computer Readable Copy

**Accompanying Application Parts**

9. ☐ Assignment Papers *(cover sheet & document(s))*
10. ☐ 37 CFR 3.73(B) Statement *(when there is an assignee)*
11. ☐ English Translation Document *(if applicable)*
12. ☒ Information Disclosure Statement/PTO-1449                      ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16. ☒ Certificate of Mailing
- ☐ First Class    ☒ Express Mail *(Specify Label No.):* EV 305 257 655 US

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**Acc mpanying Application Parts (C ntinued)**

17. ☒ Additional Enclosures *(please identify below)*:

Notice of Change of Correspondence Address (copy from parent).

**Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)**

18. ☒ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

***Warning***

***An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.***

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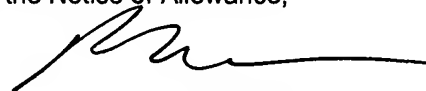
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69

**Fee Calculation and Transmittal**

**CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	31	- 20 =	11	x \$18.00	\$198.00
Indep. Claims	7	- 3 =	4	x \$86.00	\$344.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$770.00
OTHER FEE (specify purpose) _____					\$0.00
TOTAL FILING FEE					\$1,312.00

- ☐ A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 50-1597 as described below. A duplicate copy of this sheet is enclosed.
- ☒ Charge the amount of \$1,312.00 as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).



Signature

Philip W. Woo  
Attorney of Record  
Reg. N . 39,880

Dated: October 3, 2003

cc:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: James S. Zeng, et al.  
Title: Charge Pumping System and Method  
Application No.: Unknown  
Filing Date: Herewith  
Examiner: Adolf D. Berhane (in parent application)  
Group Art Unit:: 2838 (in parent application)  
Confirmation No.: Unknown  
Law Office: Sidley Austin Brown & Wood LLP  
Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicants submit eleven (11) sheets of formal drawings, consisting of Figures 1A, 1B, 2A, 2B, 2C, 2D, 2E, 3, 4, 5, 6, and 7, in the above-named application. If there are any questions regarding these drawings, please call the undersigned at (415) 772-1200.

EXPRESS MAIL LABEL NO.:

Respectfully submitted,

**EV 305 257 655 US**

By:



Philip W. Woo  
Attorney of Record  
Registration No. 39,880  
PWW/rp

October 3, 2003  
SIDLEY AUSTIN BROWN & WOOD LLP  
555 California Street, Suite 5000  
San Francisco, CA 94104-1715

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: James S. Zeng; Lajos Burgyan; and Rendon A. Holloway  
Assignee: Fairchild Semiconductor Corporation  
Title: Highly Efficient Step-Down/Step-Up And Step-Up/Step-Down Charge Pump  
Application No.: 10/196,790 Filing Date: July 16, 2002  
Examiner: Unknown Group Art Unit: 2838  
Docket No.: M-12663 US Confirmation No.: 7345

San Francisco, California  
February 19, 2003

COMMISSIONER FOR PATENTS  
Washington, D. C. 20231

**NOTICE OF CHANGE OF ADDRESS**

Dear Sir:

Please direct all correspondence in the above-identified application and with respect to any patent that issues on this application to the undersigned at this address:

Philip W. Woo  
c/o SIDLEY AUSTIN BROWN & WOOD LLP  
555 CALIFORNIA STREET  
SUITE 5000  
SAN FRANCISCO, CA 94104-1715  
TEL. (415) 772-1200  
FAX (415) 397-4621

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231.

2/19/03

Date

Richard A. Pask

Richard A. Pask

Respectfully submitted,



Philip W. Woo  
Attorney of Record  
Reg. No. 39,880